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	Application No.	Applicant(s)	- WIV -
	10/016,685	SONG ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Joseph P. Martinez	2873	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS ( herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Re	(OR REMAINS) CLOSED in t or other appropriate commun GHTS. This application is su	his application. If not include ication will be mailed in due	ed course. <b>THIS</b>
1. 🛮 This communication is responsive to <u>9-27-04</u> .			
2. ⊠ The allowed claim(s) is/are <u>7-34 and 44-56</u> .			
3. $igotimes$ The drawings filed on <u>17 December 2001</u> are accepted by	the Examiner.		
<ol> <li>Acknowledgment is made of a claim for foreign priority un</li> <li>a)</li></ol>		(f).	
2. ☐ Certified copies of the priority documents have		No	
3. ☐ Copies of the certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		tion from the
International Bureau (PCT Rule 17.2(a)).	James nave been received	in the national stage apphoa	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the re	quirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>			IOTICE OF
6. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
(a) including changes required by the Notice of Draftspers		( PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in	n the Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the			e back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT F</li> </ol>	sit of BIOLOGICAL MATER	RIAL must be submitted. I	Note the
attached Examiner 5 comment regarding INEQUINEMENT	OK THE BEI GOTT OF BIOL	TO STONE WITH ENTIRE.	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Info	ormal Patent Application (PT	O-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sur	mmary (PTO-413),	- · <b> ,</b>
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date <u>9-14-04</u></li> </ol>		lail Date .mendment/Comment	
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's S	tatement of Reasons for Allo	owance
of Biological Material	9. 🔲 Other		

## **DETAILED ACTION**

## Allowable Subject Matter

Claims 7-34 and 44-56 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art taken alone or in combination fails to anticipate or fairly suggest the limitations of the claims, in such a manner that a rejection under 35 USC 102 or 103 would be proper. The prior art, Jachimowicz et al. (5224198) fails to teach a combination of all the claimed features as presented in independent claims 7-9, 20, 44, 50 and 56.

Specifically regarding claim 7, wherein the claimed invention comprises a wearable display system comprising a waveguide, display panel, a plurality of gratings for diffraction, magnifying lens and specifically, at least one shutter to alternately block a plurality of the signals output by the display panel in the waveguide, to produce a three-dimensional image, as claimed.

Specifically regarding claim 8, wherein the claimed invention comprises a wearable display system comprising a waveguide, display panel, a plurality of gratings for diffraction, magnifying lens and specifically, wherein at least one magnifying lens is moveable along a predetermined length of at least one waveguide, as claimed.

Specifically regarding claim 9, wherein the claimed invention comprises a wearable display system having a binocular structure comprising a first grating for diffraction, a plurality of second gratings for diffraction, a plurality of magnifying lenses, and specifically, a display panel at the center of the waveguide, as claimed.

Specifically regarding claims 20 and 44, wherein the claimed invention comprises a wearable display system having a binocular structure comprising a waveguide, two first gratings for diffraction, second gratings for diffraction, magnifying lenses, and specifically, two display panels respectively placed on opposite sides of the waveguide, as claimed.

Specifically regarding claim 50, wherein the claimed invention comprises a wearable display system having a monocular structure comprising a waveguide, display panel, first grating for diffraction, second grating for diffraction, magnifying lens and specifically, the second grating is oriented perpendicular to the first grating in the waveguide, as claimed.

Specifically regarding claim 56, wherein the claimed invention comprises a wearable display system comprising a waveguide, display panel, a plurality of gratings for diffraction, magnifying lens and specifically, wherein the signal propagates to left and right eyes of a user with a time difference, thereby producing a three-dimensional image.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph P. Martinez whose telephone number is 571-272-2335. The examiner can normally be reached on M-F 7:00 AM to 3:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on 571-272-2328. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JPM 10-12-04

Hung Xuan∜hang Primary Examiner